

What is claimed is:

- 1 1. A semiconducting device comprising:  
2 an interposer that includes a fold which divides the interposer into a first  
3 section and a second section;  
4 a first die attached to a first surface of the interposer at the first section and  
5 the second section;  
6 a contact attached to the first surface of the interposer at the first section and  
7 the second section;  
8 a second die attached to a second surface of the interposer, the second die  
9 being stacked onto the first die and electrically coupled to the first die by the contact  
10 and conductive paths that are part of the interposer.
- 1 2. The semiconducting device of claim 1, wherein the contact is a solder  
2 column.
- 1 3. The semiconducting device of claim 1, wherein the first die is encapsulated  
2 on the first surface of the interposer.
- 1 4. The semiconducting device of claim 1, wherein the second die is  
2 encapsulated on the second surface of the interposer.
- 1 5. The semiconducting device of claim 1, further comprising a plurality of  
2 contacts that are each attached to the first surface of the interposer at the first section  
3 and the second section.
- 1 6. The semiconducting device of claim 5, wherein the fold is on one side of the  
2 first die and at least one of the contacts is on an opposite side of the first die.

1 7. The semiconducting device of claim 5, wherein at least one of the contacts is  
2 on each side of the first die.

1 8. A method comprising:  
2 securing a first die to a first section of an interposer, the interposer including  
3 a first conductor and a second conductor on a first surface of the interposer;  
4 folding the interposer to secure the first die to a second section of the  
5 interposer and to connect the first conductor to the second conductor to form a  
6 contact; and  
7 securing a second die to a second surface of the interposer such that the first  
8 and second dice are stacked one on top of another and electrically coupled by the  
9 interposer and the contact.

1 9. The method of claim 8, wherein folding the interposer to connect the first  
2 conductor to the second conductor includes soldering the first conductor to the  
3 second conductor.

1 10. The method of claim 8, wherein folding the interposer to secure the first die  
2 to a second section of the interposer includes placing an adhesive on the first die and  
3 connecting the second section of the interposer to the adhesive.

1 11. The method of claim 8, wherein securing a first die to a first section of an  
2 interposer includes soldering the first die to the interposer.

1 12. The method of claim 8, wherein securing a second die to a second surface of  
2 the interposer includes soldering the second die to the second surface of the  
3 interposer.

1 13. The method of claim 8, wherein the fold is on one side of the first die such  
2 that folding the interposer includes forming a contact on an opposing side of the first  
3 die.

1 14. The method of claim 8 wherein the interposer includes a plurality of  
2 conductors on the first surface of the interposer such that folding the interposer  
3 includes connecting each of the conductors to another conductor to form a plurality  
4 of contacts that extend from the first surface of the interposer between the first  
5 section and the second section.

1 15. The method of claim 14, wherein the fold is on one side of the first die such  
2 that folding the interposer includes forming at least one contact on an opposing side  
3 of the first die.

1 16. The method of claim 14, wherein the fold is on one side of the first die such  
2 that folding the interposer includes forming at least one contact on each side of the  
3 first die except for the one side of the first die.

1 17. The method of claim 14, wherein folding the interposer includes forming at  
2 least one contact on each side of the first die.

1 18. An electronic system comprising:  
2 a bus;  
3 a memory coupled to the bus;  
4 a semiconducting device that is electrically connected to the bus, the  
5 semiconducting device having an interposer that includes a fold which divides the  
6 interposer into a first section and a second section, the semiconducting device  
7 further including a first die and a contact that are each attached to the first surface of  
8 the interposer at the first section and the second section, the semiconducting device  
9 further including a second die attached to a second surface of the interposer, the  
10 second die being stacked onto the first die and electrically coupled to the first die by  
11 the contact and the interposer.

1 19. The electronic system of claim 18, further comprising a plurality of contacts  
2 that are each attached to the first surface of the interposer at the first section and the  
3 second section.

1 20. The electronic system of claim 18, further comprising a voltage source  
2 electrically coupled to the semiconducting device.